

Leading 0s

Write the program that takes positive integers **M** and **N** to display **M** onto the screen. If **M** has fewer than **N** digits, then add leading 0s onto the left side until it has **N** digits total, e.g. **M=123**, **N=5** will produce **00123**. **M=12345**, **N=3** displays **12345**.

Input

2 positive integers for **M** and **N**, one in each line.

Output

The value of **M** that may have leading 0s to make it has at least **N** digits total.

Example

Input (from keyboard)	Output (on screen)
123 5	00123
123 3	123
123 2	123